
CLINICAL IMAGING

Contents

VOLUME 21, NUMBER 1, 1997

ORIGINAL ARTICLES

- 1 Arachnoid Granulations of the Posterior Fossa:
CT and MR Findings**
Kouichirou Okamoto, Jusuke Ito, Susuke Tokiguchi,
Tetsuya Furusawa, and Mamiko Nishihara
- 6 The Neuroimaging Features of the Cardiolipin Antibody Syndrome**
Karen Weingarten, Christopher Filippi, Denise Barbut, and
Robert D. Zimmerman
- 13 Superior Mesenteric Artery Aneurysm in Systemic
Lupus Erythematosus**
Sheung-Fat Ko, Ming-Jang Hsien, Shu-Hang Ng, Ho-Fai Wong,
Tze-Yu Lee, and Chi-Ming Lee
- 17 Solitary Spinal Cord Sarcoidosis without Other Manifestations of
Systemic Saracoidosis**
J. Howard Jaster, F. Curtis Dohan, Jr., Tulio E. Bertorini,
J. Edward Bass, Klaus E. Mönkemüller, Charles R. Handorf, and
Barry E. Gerald
- 23 Pancreatic Metastasis from Ewing's Sarcoma**
Michael E. Mulligan, Douglas W. Fellows, and Sean E. Mullen
- 27 Biliary Tract Obstruction: The Role of Spiral CT in Detection and
Definition of Disease**
Susan H. Wyatt and Elliot K. Fishman
- 35 MRI and Scintigraphic Features of Extraabdominal Desmoid Tumors**
Hisataka Kobayashi, Yoshihiko Kotoura, Mariko Hosono,
Tadao Tsuboyama, Harumi Sakahara, Keigo Endo,
and Junji Konishi
- 40 Pancreatic Metastases from Renal Cell Carcinoma in
von Hippel-Lindau Disease**
Theodore P. Chambers, Elliot K. Fishman, and Ralph H. Hruban
- 43 MRI of Benign and Malignant Hepatic Lobar Atrophy**
Evan S. Siegelman, Eric K. Outwater, Catherine W. Piccoli,
Chris E. Chernesky, and Donald G. Mitchell
- 51 Primary Intrathoracic Extrapulmonary Hemangiopericytoma:
CT and MR Findings**
Shizuo Kusumoto, Rumiko Nakamura, Naoki Mizoguchi,
Shinichi Ono, and Katsushi Watanabe
- 54 Applications of Bone Scintigraphy in Ankylosing Spondylitis**
Wilfred C. G. Peh, W. Y. Ho, and Keith D. K. Luk
- 63 MR Imaging of Parosteal Osteosarcoma in Two Skeletally
Immature Patients**
Joseph S. Yu and Lawrence D. Weis
- 69 Recurrent Chondrosarcoma of the Hyoid Bone**
R. Hediger, N. McEniff, C. Karmody, and S. Eustace

CLINICAL IMAGING

Contents

VOLUME 21, NUMBER 1, 1997

ORIGINAL ARTICLES

- 1 **Arachnoid Granulations of the Posterior Fossa:
CT and MR Findings**
Kouichirou Okamoto, Jusuke Ito, Susuke Tokiguchi,
Tetsuya Furusawa, and Mamiko Nishihara
- 6 **The Neuroimaging Features of the Cardiolipin Antibody Syndrome**
Karen Weingarten, Christopher Filippi, Denise Barbut, and
Robert D. Zimmerman
- 13 **Superior Mesenteric Artery Aneurysm in Systemic
Lupus Erythematosus**
Sheung-Fat Ko, Ming-Jang Hsien, Shu-Hang Ng, Ho-Fai Wong,
Tze-Yu Lee, and Chi-Ming Lee
- 17 **Solitary Spinal Cord Sarcoidosis without Other Manifestations of
Systemic Saracoidosis**
J. Howard Jaster, F. Curtis Dohan, Jr., Tulio E. Bertorini,
J. Edward Bass, Klaus E. Mönkemüller, Charles R. Handorf, and
Barry E. Gerald
- 23 **Pancreatic Metastasis from Ewing's Sarcoma**
Michael E. Mulligan, Douglas W. Fellows, and Sean E. Mullen
- 27 **Biliary Tract Obstruction: The Role of Spiral CT in Detection and
Definition of Disease**
Susan H. Wyatt and Elliot K. Fishman
- 35 **MRI and Scintigraphic Features of Extraabdominal Desmoid Tumors**
Hisataka Kobayashi, Yoshihiko Kotoura, Mariko Hosono,
Tadao Tsuboyama, Harumi Sakahara, Keigo Endo,
and Junji Konishi
- 40 **Pancreatic Metastases from Renal Cell Carcinoma in
von Hippel-Lindau Disease**
Theodore P. Chambers, Elliot K. Fishman, and Ralph H. Hruban
- 43 **MRI of Benign and Malignant Hepatic Lobar Atrophy**
Evan S. Siegelman, Eric K. Outwater, Catherine W. Piccoli,
Chris E. Chernesky, and Donald G. Mitchell
- 51 **Primary Intrathoracic Extrapulmonary Hemangiopericytoma:
CT and MR Findings**
Shizuo Kusumoto, Rumiko Nakamura, Naoki Mizoguchi,
Shinichi Ono, and Katsushi Watanabe
- 54 **Applications of Bone Scintigraphy in Ankylosing Spondylitis**
Wilfred C. G. Peh, W. Y. Ho, and Keith D. K. Luk
- 63 **MR Imaging of Parosteal Osteosarcoma in Two Skeletally
Immature Patients**
Joseph S. Yu and Lawrence D. Weis
- 69 **Recurrent Chondrosarcoma of the Hyoid Bone**
R. Hediger, N. McEniff, C. Karmody, and S. Eustace

- 73 **Bilateral Simultaneous Spontaneous Quadriceps Tendons Rupture:
A Case Report Studied by Magnetic Resonance Imaging**
Emilio Calvo, Antonio Ferrer, Angel G. Robledo, L. Alvarez,
F. Castillo, and C. Vallejo

VOLUME 21, NUMBER 2, 1997

ORIGINAL ARTICLES

- 77 **Intraocular Tumors: The Value of Spectral and Color
Doppler Sonography**
Hakan Özdemir, Cem Yücel, Cüneyt, Aytekin, Baran Önal,
Anday Ataman, Yelda Özsunar, and Sadat İşik
- 82 **Gd-DTPA Enhanced MR Imaging of Injured Spinal Cord**
Satoshi Terae, Chihiro Takahashi, Satoru Abe, Yoichi Kikuchi,
and Kazuo Miyasaka
- 90 **Chest Radiography in the ICU**
Claudia I. Henschke, David F. Yankelevitz, Austin Wand,
Sheila D. Davis, and Maria Shiau
- 104 **CT Diagnosis of Acquired Intercostal Lung Herniation**
Michael A. Sadler, Robert S. Shapiro, Jon Wagreich,
Kathleen Halton, and Adam Hecht
- 107 **CT-Guided Transthoracic Needle Biopsy of Small Solitary
Pulmonary Nodules**
David F. Yankelevitz, Claudia I. Henschke, June H. Koizumi,
Nasser K. Altorki, and Daniel M. Libby
- 111 **Spiral CT: Clinical Applications in the Gastrointestinal Tract**
Elliot K. Fishman
- 122 **Calcified Gastric Cancer—CT Findings Before and After
Chemotherapy: Case Report and Discussion of the Pathogenesis
of This Type of Calcification**
Luca Balestreri, Vincenzo Canzonieri, and Sandro Morassut
- 126 **US Evaluation of Inguinoscrotal Bladder Hernias: Report of
Three Cases**
Orlando Catalano
- 129 **Three-Dimensional Reconstruction of an Iliac Artery Aneurysm in a
Man with Obstructive Uropathy**
Phillip H. Strate-meier and Douglas P. Beall
- 135 **MR Findings of Macrodystrophia Lipomatosa**
Rafaela Soler, Esther Rodríguez, Amelia Bargiela,
and Carmen Martínez

REVIEW

- 138 **MR Imaging of the Abnormal Sternoclavicular Joint—A Pictorial Essay**
Mitchell A. Klein, Alberta M. Spreitzer, Pedro A. Miro,
and Guillermo F. Carrera

ABSTRACTS

- 144 **Summaries of Selected Journal Articles**

BOOK REVIEW

- 151 **Pediatric Radiation Oncology**
E. C. Halperin et al. (reviewed by Arvin S. Glicksman)

NOTICES

153 **Forthcoming Meetings**

VOLUME 21, NUMBER 3, 1997

ORIGINAL ARTICLES

- 155 **Unsuspected and Unrelated Pathology Noted on Limited Computed Tomographic Scans of the Paranasal Sinuses and Temporal Bone**
John F. Healy and Wade Wong
- 163 **Color and Pulsed Doppler Evaluation of Benign and Malignant Adenopathy**
Francesco Giovagnorio, Alessia Rusticali, and Anna Lucia Araneo
- 170 **MR Imaging of Dedifferentiated Chondrosarcoma**
Stephen Eustace, Nancy Baker, Howard Lan, Anil Wadhvani, and David Dorfman
- 175 **Clinical Utility of Computed Tomography in the Diagnosis of Pulmonary Embolism**
Thomas J. Russi, Daniel M. Libby, and Claudia I. Henschke
- 183 **CT of Pancreatitis with Renal and Juxtarenal Manifestations**
J. Farman, H. Morehouse, E. Stephen Amis, Jr., and J. H. Newhouse
- 189 **Localized Benign Pleural Mesothelioma Arising in a Radiation Field**
Julie K. Hill, Richard F. Heitmiller II, Frederic B. Askin, and Janet E. Kuhlman
- 195 **Expanding Aneurysm of Aberrant Right Subclavian Artery: Case Report and Imaging Evaluation**
Jeffery P. Hogg, Anthony J. Dominic, Rhonda L. Counselman, and Janis L. Hurst
- 200 **Massive Renal Angiomyolipoma in Tuberous Sclerosis**
Douglas S. Katz and Robert B. Poster
- 203 **Absence of Flow in Ovarian Vein by Time-of-Flight Magnetic Resonance Angiography without Evidence of Thrombosis**
Botros Rizk, Bassem Georgy, Ruth Snow, Sherwood Lynn, and Ian H. Thorneycroft
- 207 **Nodular Liver Involvement in Light Chain Multiple Myeloma: Appearance on US and MRI**
Nikolaos L. Kelekis, Richard C. Semelka, David M. Warshauer, and Sabah Sallah
- 210 **Computed Tomography of the Superior Mesenteric Artery Syndrome**
G. C. Ooi, K. L. Chan, K. F. Ko, and W. C. G. Peh

REVIEW

- 213 **Sensorineural Hearing Loss and Cerebellopontine Angle Lesions: Not Always an Acoustic Neuroma—A Pictorial Essay**
Linda A. Heier, Joseph P. Comunale, Jr., and Michael H. Lavyne

CASE REPORTS

- 224 **Selected Case Reports**

ABSTRACTS

- 225 **Summaries of Selected Journal Articles**

BOOK REVIEWS

- 231 Registry Review in Computed Tomography**
Daniel N. De Maio (reviewed by Linda Sanatar)
- 231 Fundamentals of Chest Radiology**
Andrew Meholic, Loren Ketai, and Richard Lofgren
(reviewed by Nancy Urban and Claudia Henschke)
- 231 Bone and Joint Imaging. Second Edition**
Donald Resnick (reviewed by Ludovico Dalla Palma)

NOTICE

- 232 Forthcoming Meeting**

VOLUME 21, NUMBER 4, 1997

ORIGINAL ARTICLES

- 233 Eccentric Simple Bone Cysts of the Femoral Neck in Adults**
Shigeru Ehara, Jun Nishida, Hideo Shiraishi, Megumi Honda,
Masataka Abe, and Takashi Satoh
- 237 Epiphyseal Growth Arrest Lines: MR Findings**
Lawrence Yao and Leanne L. Seeger
- 241 Superficial Siderosis of the Central Nervous System:
Its MRI Manifestations**
Akira Uchino, Hitoshi Aibe, Hiroaki Itoh, Yasutaka Aiko, and
Makoto Tanaka
- 246 MR of Post Traumatic Spinal Cord Lesions:
Unexpected Improvement of Hemorrhagic Lesions**
John J. Wasenko, Leo Hochhauser, James W. Holsapple,
Lawrence B. Poe, Stephen A. Albanese, and Edwin D. Cacayorin
- 252 A Second Look at Unenhanced Spinal Magnetic Resonance Imaging
of Malignant Leptomeningeal Disease**
Lia A. Mouloupoulos, Ashok J. Kumar, and Norman E. Leeds
- 260 Upper Extremity DVT: Correlation of MR and Nuclear Medicine
Flow Imaging**
Julia R. Fielding, J. Stevan Nagel, and Oliver Pomeroy
- 264 Magnetic Resonance Imaging of Myelofibrosis: STIR and
Gadolinium-Enhanced MR Images**
Yasuo Amano, Munehiko Onda, Maki Amano, and Tatsuo Kumazaki
- 269 Foreign Body Granuloma Simulating Solid Neoplasm on MR**
Teresa J. Karcnik, Levon N. Nazarian, Vijay M. Rao, and
George E. Gibbons, Jr.
- 273 Recurrent Renal Cell Carcinoma after 45 Years**
Helene Tapper, Harvey Klein, William Rubenstein, Lisa Intriore,
Young Choi, and Elias Kazam
- 276 Improved Sonographic Visualization by Fluid Challenge Method
of Renal Lithiasis in the Nondilated Collecting System:
Experience in Seven Cases**
Wing-Kay Chau and Siu-Cheung Chan
- 284 Ovarian Hyperstimulation Syndrome: US and CT Appearances**
Il Young Kim and Byoung Ho Lee
- 287 Spontaneous Renal Hemorrhage Associated with Renal Tumors**
Jack H. Mydlo, Jeffrey Kaplan, William Thelmo, and
Richard J. Macchia

- 290 **MR Imaging of Carcinoma within Urinary Bladder Diverticulum**
Sara M. Durfee, Lawrence H. Schwartz, David M. Panicek, and
Paul Russo

REVIEW

- 293 **MRI of the Liver: A Pictorial Essay**
Robert S. Shapiro, Neville Glajchen, and Agata Stancato-Pasik

CASE REPORTS

- 303 **Selected Case Reports**

ABSTRACTS

- 304 **Summaries of Selected Journal Articles**

NOTICES

- 310 **Forthcoming Meetings**

VOLUME 21, NUMBER 5, 1997

ORIGINAL ARTICLES

- 311 **Perfusion MRI in Normal and Abnormal Pituitary Gland:
A Preliminary Study**
Luigi Manfr , Massimo Midiri, Francesca Rosato, Alberto Janni,
and Roberto Lagalla
- 319 **High Resolution MR Technique in the Diagnosis of Mesial Temporal
Sclerosis: Correlative MRI and Pathological Features**
John J. Wasenko, Ali M. Gharagozloo, Mark V. Smith,
and Dafydd Thomas
- 323 **Macrodystrophia Lipomatosa: MR Imaging in Three Patients**
Yung-Cheng Wang, Chin-Ming Jeng, David R. Marcantonio,
and Donald Resnick
- 328 **Erdheim-Chester Disease Demonstrated by Bone Radiograph
and Scans**
E. Edmund Kim and Javier A. Romero
- 332 **Preliminary Study of Cardiac Accumulation of F-18
Fluorotamoxifen in Patients with Breast Cancer**
Tomio Inoue, E. Edmund Kim, Sidney Wallace, David J. Yang,
Franklin C. L. Wong, Pedro Bassa, Aman U. Buzdar, and
Donald A. Podoloff
- 337 **Pneumothorax and Pneumomediastinum after
Laparoscopic Surgery**
Howard M. Richard III, Agata Stancato-Pasik, Barry A. Salky,
and David S. Mendelson
- 340 **Conjoined Gastric and Mediastinal Benign Cystic Teratomas:
Case Report of a Rare Occurrence and Review of Literature**
Nitin P. Shirodkar, Paramjit S. Chopra, Melissa Marker,
Kenneth D. Murphy, Amit Dhamoon, and Oun J. Kwon
- 346 **Routine Pre-Contrast CT for Liver Lesion Detection:
A Re-Examination**
Nabil A. Yassa, Julia T. Agostini, and Matthew S. Tan
- 350 **Benign Extraovarian Mimics of Ovarian Cancer: Distinction
with Imaging Studies**
Charles D. Levine, Upen J. Patel, Devyani Ghanekar,
Ronald H. Wachsberg, Marc Z. Simmons, and Marjorie Stein

- 359 **Pseudo Lesions on CTAP Secondary to Arterio-Portal Shunts**
Shozo Tamura, Yasushi Kihara, Yasuhiro Yuki, Hiroshi Sugimura,
Tokiyoshi Shimizu, Osbert N. Adjei, and Katsushi Watanabe
- 366 **Etiologic Diagnosis of Hepatic Lesions in Cancer Patients: Value of
Ultrasound and Liver Function Tests**
Jean-Noel Bruneton, Charles Raffaelli, Bernard Padovani,
Catherine Maestro, Patrick Chevallier, and Michel-Yves Mourou
- 372 **Loss of Radiopacity May Impede Localization of Intrauterine
Contraceptive Device**
Robert J. Botash
- 375 **Adrenal Carcinomas in AIDS: Report of Three Cases**
Francesco Ferrozzi, Davide Bova, Fabio Campodonico,
Giacomo Garlaschi, Antonio Passari, and Paolo Pizzaferrì

ABSTRACTS

- 379 **Summaries of Selected Journal Articles**

BOOK REVIEW

- 387 **Differential Diagnosis in Conventional Gastrointestinal Radiology**
Francis A. Burgener and Marti Korman
(reviewed by Antonio F. Govoni)

NOTICES

- 388 **Forthcoming Meetings**

VOLUME 21, NUMBER 6, 1997

EDITORIAL

- 389 **Artificial Intelligence Techniques**
Joseph P. Whalen

ORIGINAL ARTICLES

- 390 **Neural Networks for the Analysis of Small Pulmonary Nodules**
Claudia I. Henschke, David F. Yankelevitz, Ion Mateescu,
Dean W. Brette, Timothy G. Rainey, and Fred S. Weingard
- 400 **Giant Bronchogenic Cyst Masquerading as Tension Pneumothorax:
Radiographic and CT Findings**
Sheung-Fat Ko, Jiin-Huar Chuang, Chen-Kuang Niu, Shu-Hang Ng,
and Tze-Yu Lee
- 404 **Gadolinium Utilization in the MR Evaluation of
Cardiac Paraganglioma**
Liston A. Orr, Roderic I. Pettigrew, Andre L. Churchwell,
Henry S. Jennings, III, Michael R. Petrcek, and John P. Vansant
- 407 **Accuracy of CT in Estimating Extent of Pancreatic Necrosis**
Nabil A. Yassa, Julia T. Agostini, and Philip W. Ralls
- 411 **MRI Findings in Headbangers**
Keller Skeen Carlock, John Powell Williams, and
George Crislip Graves

REVIEW

- 414 **CT and US of the Pancreas**
Young Hee Choi, William A. Rubenstein,
Elizabeth Ramirez de Arellano, Lisa Intriore, and Elias Kazam

CASE REPORTS

- 441** **Selected Case Reports**

ABSTRACTS

- 442** **Summaries of Selected Journal Articles**

BOOK REVIEWS

- 448** **Bone and Joint Disorders: Conventional Radiologic
Differential Diagnosis**
Francis A. Burgener and Martti Kormanio
(reviewed by Jeremy J. Kaye)
- 448** **Differential Diagnosis in Chest X-Rays**
Francis A. Burgener and Martti Kormanio
(reviewed by M. Maffessanti)
- 449** **Differential Diagnosis in Conventional Gastrointestinal Radiology**
Francis A. Burgener and Martti Kormanio
(reviewed by Antonio F. Govoni)
- 449** **Technical Magnetic Resonance Imaging**
John A. Markisz and Michael Aquilia
(reviewed by Jean Noel Bruneton)

NOTICES

- 451** **A Note of Thanks**
- 452** **Forthcoming Meetings**

INDEXES

- 453** **Author Index to Volume 21**
- 455** **Subject Index to Volume 21**

Volume 21 Contents

